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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet	1	of	4

Complete if Known	
Application Number	10/608,907
Filing Date	June 27, 2003
First Named Inventor	Storer *et al.*
Group Art Unit	1623
Examiner Name	Traviss C. McIntosh III
Attorney Docket Number	06171.105084 IDX 1018

3405786_1

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. [1]	U.S. Patent Document Number	Kind Code (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages/Relevant Figures Appear	T [6]
TM	AA	4,814,477		Wijnberg *et al.*	03-21-1989		
	AB	4,952740		Sylvain et al.	08-28-1990		
	AC	5,223,263		Hostetler *et al.*	06-29-1993		
	AD	5,780,617		van den Bosch *et al.*	05-31-1994		
	AE	5,696,277		Hostetler *et al.*	12-09-1997		
	AF	5,763,418		Matsuda *et al.*	06-09-1998		
	AG	5,789,608		Glazier	08-04-1998		
	AH	6,172,046		Albrecht	01-09-2001		
	AI	6,252,060		Hostetler *et al.*	06-26-2001		
	AJ	2003/0008841		Devos *et al.*	08-07-2001		
	AK	6,277,830		Ganguly *et al.*	08-21-2001		
	AL	6,348,587		Schinazi *et al.*	02-19-2002		
	AM	2002/0055483		Watanabe *et al.*	05-09-2002		
	AN	2002/0055473		Ganguly *et al.*	05-09-2002		
	AO	2002/0095033		Ramasamy *et al.*	07-18-2002		
	AP	6,436,437		Yatvin *et al.*	08-20-2002		
	AQ	6,448,392		Hostetler *et al.*	09-10-2002		
	AR	6,448,392		Hostetler *et al.*	09-10-2002		
	AS	2002/0127203		Albrecht	09-12-2002		
	AT	6,472,373		Albrecht	10-29-2002		
	AU	6,495,677		Ramasamy *et al.*	12-17-2002		
	AV	2002/0198171		Schinazi *et al.*	12-26-2002		
	AW	2003/0008841		Devos *et al.*	01-09-2003		
	AX	2003/0050229		LaColla *et al.*	03-13-2003		
	AY	2003/0055013		Brass	03-20-2003		
	AZ	2003/0053986		Zahm	03-20-2003		
↓	AAA	2003/0060400		LaColla *et al.*	03-27-2003		
TM	AAB	2003/0087873		Stuyver *et al.*	05-08-2003		

Examiner Signature	/Traviss Mcintosh III/ (08/09/2006)	Date Considered	08/09/2006

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TM	BA	6,566,365		Storer *et al.*	05-20-2003		
	BB	6,573,248		Ramasamy *et al.*	06-03-2003		
	BC	6,599,887		Hostetler *et al.*	07-29-2003		
	BD	2003/0225029		Stuyver *et al.*	12-04-2003		
	BE	6,660,721		Devos *et al.*	12-09-2003		
	BF	2004/0002476		Stuyver *et al.*	01-01-2004		
	BG	2004-0023921		Yao *et al.*	02-05-2004		
	BH	2004/0059104		Cook et al.	03-25-2004		
	BI	2004/0063658		Roberts *et al.*	04-01-2004		
	BJ	2004/0067901		Bhat *et al.*	04-08-2004		
	BK	2004/0072788		Bhat *et al.*	04-15-2004		
	BL	2004/0077587		Sommadossi *et al.*	04-22-2004		
	BM	2004/0110717		Bhat *et al.*	06-10-2004		
	BN	2004/0110718		Devos *et al.*	06-10-2004		
	BO	6,752,981		Erion *et al.*	06-22-2004		
	BP	2004/0147464		Roberts *et al.*	07-29-2004		
	BQ	6,777,395		Bhat *et al.*	08-17-2004		
	BR	6,784,166		Devos *et al.*	08-31-2004		
	BS	6,784,161		Ismaili *et al.*	08-31-2004		
	BT	2004/0266722		Devos *et al.*	12-30-2004		
	BU	2004/0266723		Otto *et al.*	12-30-2004		
	BV	2005/0009737		Clark *et al.*	01-13-2005		
	BW	6,846,810		Martin *et al.*	01-25-2005		
	BX	6,875,751		Imbach *et al.*	04-05-2005		
	BY	2005/0119200		Roberts *et al.*	06-02-2005		
	BZ	6,911,424		Schinazi *et al.*	06-28-2005		
TM	BAA	6,965,066		Jiang *et al.*	11-15-2005		

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TM	CA	GB	1163 103		Merck	09-04-1969		
	CB	GB	1163 102		Merck	09-04-1969		
	CC	GB	1209 654		Merck	10-21-1970		
	CD	EP	0747 389		Taiho Pharmaceutical Co. Ltd.	12-11-1996		
	CE	WO	03/051899		Girardet *et al.*	06-26-2003		
	CF	WO	03/061385		An *et al.*	07-31-2003		
	CG	WO	03/061576		An *et al.*	07-31-2003		
	CH	WO	03/062256		An *et al.*	07-31-2003		
	CI	WO	03/062257		An *et al.*	07-31-2003		
	CJ	WO	03/062255		Hong *et al.*	07-31-2003		
	CK	WO	04/000858		Carroll *et al.*	12-31-2003		
	CL	WO	04/007512	A2	Merck & Co., Isis Pharmaceutical	01-22-2004		
TM	CM	WO	06/012440	A2	Wang *et al.*	02-02-2006		

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

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TM	CN	AWANO, H., *et al.*, "Nucleosides and nucleotides. Part 144. Synthesis and antiviral activity of 5-substituted (2'S)-2'-deoxy-2'-C-methylcytidines and -uridines," *Archiv der Pharmazie*, VCH Verlagsgesellschaft mbh, Weinheim, DE. 329 :66-72 (February 1, 1996).	
TM	CO	BEIGELMAN, L.N., *et al*, "A general method for synthesis of 3'-C-alkylnucleosides," *Nucleic Acids Symp. Ser.*, 9:115-118 (1981).	
TM	CP	CAPPELLACCI, L., *et al.*, "Ribose-modified nucleosides as ligands for adenosine receptors: Synthesis, conformational analysis, and biological evaluation of 1'-C-methyl adenosine analogues," *J. Med. Chem.*, 45:1196-1202 (2002).	
TM	CQ	FEDEROV, I.I., *et al.*, "3'-C-branched 2'-deoxy-5-methyluridines: Synthesis, enzyme inhibition, and antiviral properties," *J. Med. Chem.*, 35:4567-4575 (1992).	
TM	CR	FRANCHETTI, P., *et al.*, "2'-C-Methyl analogues of selective adenosine receptor agonists: synthesis and binding studies," *J. Med. Chem.*, 41(10):1708-1715 (1998).	
TM	CS	HATTORI, H., *et al.*, "Nucleosides and nucleotides. 158.," *J. Med. Chem.*, 39:5005-5011 (1996).	

Examiner Signature	/Traviss Mcintosh III/ (08/09/2006)	Date Considered	08/09/2006

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Application Number	10/608,907
Filing Date	June 27, 2003
First Named Inventor	Storer *et al.*
Group Art Unit	1623
Examiner Name	Traviss C. McIntosh III
Attorney Docket Number	06171.105084 IDX 1018

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TM	DA	HREBABECKY, H., *et al.*, "Nucleic acid components and their analogues. CXLIX. Synthesis of pyrimidine nucleosides derived from 1-deoxy-D-psicose," *Collect. Czech. Chem. Commun.*, 37:2059-2065 (1972).	
	DB	HREBABECKY, H., *et al.* "Synthesis of 7- and 9-β-D-psicofuranosylguanine and their 1'-deoxy derivatives," *Collect. Czech. Chem. Commun.*, 39:2115-2123 (1974).	
	DC	JOHNSON, C.R., *et al*, "3'-*C*-Trifluoromethyl ribonucleosides," *Nucleosides & Nucleotides*, 14(1&2):185-194 (1995).	
	DD	LI, Nan.-Sheng., *et al.*, "2'-*C*-branched ribonucleosides. 2. Synthesis of 2'-C-*β*-trifluoromethyl pyrimidine ribonucleosides," *Organic Letters*,3(7):1025-1028 (2001).	
	DE	MATSUDA, A., *et al.*, "Radical deoxygenation of tert-alcohols in 2'-branched-chain sugar pyrimidine nucleosides: Synthesis and antileukemic activity of 2'-deoxy-2'(S)-methylcytidine," *Chem. Pharm. Bull.*, 35(9):3967-3970 (1987).	
	DF	MATSUDA, A., *et al.*, "Nucleosides and Nucleotides. 94. Radical deoxygenation of *tert*-alcohols in 1-(2-*C*-alkylpentofuranosyl)pyrimidines: Synthesis of (2'*S*)-2'-deoxy-2'-*C*-methylcytidine, an antileukemic nucleoside, " *J. Med. Chem.*, 34:234-239 (1991).	
	DG	MIKHAILOV, S.N., *et al.*, "Synthesis and properties of 3'*C*-methylnucleosides and their phosphoric esters," *Carbohydrate Research*, 124:75-96 (1983).	
	DH	MURAL, Y., *et al.*, "A synthesis and an X-ray analysis of 2'-C-, 3'-C- and 5'-C-methylsangivamycins," *Heterocycles*, 1(33):391-404 (1992).	
	DI	ONG, S.P., *et al*, "Synthesis of 3'-*C*-methyladenosine and 3'-*C*-methyluridine diphosphates and their interaction with the ribonucleoside diphosphate reductase from *Corynebacterium nephridii*," *Biochemistry*, 31(45):11210-11215 (1992).	
	DJ	ROSENTHAL, A., *et al.*, "Branched-chain sugar nucleosides. Synthesis of 3'-*C*-ethyl (and 3'-*C*-butyl)uridine *Carbohydrate Research*, 79:235-242 (1980).	
	DK	SCHMIT, C., "Synthesis of 2'-deoxy-2'-α-monofluoromethyl and trifluoromethylnucleosides," *Synlett*, Thieme Verlag, Stuttgart, DE, (4):241-242 (1994).	
	DL	SHARMA, P.K., *et al.*, "Synthesis of 3'-trifluoromethyl nucleosides as potential antiviral agents," *Nucleosides, Nucleotides and Nucleic Acids*, 19(4):757-774 (2000).	
↓	DM	TRONCHET, J.M.J.; *et al.*, "72. Synthèse et désamination enzymatique des C-hydroxyméthyl-3'-et C-méthyl-3'-beta-D-xylofurannosyl-9-adénin es," *Helv. Chim. Acta*, 62:689-695 (1979).	
TM	DN	WOLF, J., *et al.*, "New 2'-C-branched-chain sugar nucleoside analogs with potential antiviral or antitumor activity," *Synthesis*, Georg Thieme Verlag. Stuttgart, DE, (8):773-778 (August 1992).	

3405786_1

Examiner Signature	/Traviss Mcintosh III/ (08/09/2006)	Date Considered	08/09/2006

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Sheet 1 of 2

Complete if Known	
Application Number	10/608,907
Filing Date	June 27, 2003
First Named Inventor	Sommadossi *et al.*
Group Art Unit	Unassigned
Examiner Name	Unassigned
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U.S. PATENT DOCUMENTS

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TM	AA	FR	1521076		Merck, & Co.	04-12-1968	
	AB	JP	06211890		Yamasa Shoyu Co. Ltd.	08-02-1994	
	AC	JP	06228186		Yamasa Shoyu Co. Ltd.	08-16-1994	
	AD	WO	01/90121		Novirio Pharmaceuticals Ltd.	11-29-2001	
	AE	WO	01/92282		Novirio Pharmaceuticals Ltd.	12-06-2001	
	AF	WO	01/60315		Biochem Pharma Inc.	08-23-2001	
TM	AG	WO	03/105770		Bhat Balkrishen	12-24-2003	

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TM	AH	**BIANCO, *et al.,*** *"Synthesis of a New Carbocyclic Nucleoside Analog"* Tetrahedron Letters, vol. 38., no. 36., Set 8, 1997	
TM	AI	**CHIACCHIO, *et al.,*** *"Stereoselective Synthesis of 2'-Amino-2',3'-dideoxynucleosides by Nitrone 1,3-Dipolar Cycloaddition: A New Efficient Entry Toward d4T and ilts 2-Methyl Analogue"* J. ORG. Chem., vol. 64, 1999, pp. 28-36	
TM	AJ	**CZERNECKI, *et al.,*** *"Synthesis of 2'-Deoxy-2'-Spirocyclopropyl Cytidine as Potential inhibitor of Ribonucleotide Diphosphate Reductase"* Can J. Chem, vol. 71, 1993, 413-416	
TM	AK	**HASSAN, *et al.,*** *"Nucleosides and Nucleotides. 156. Chelation-Controlled and Nonchelation-Controlled Diastereofacial Selective Thiophenol Addition Reactions at the 2'Position of 2'-[(Alkoxycarbonyl)methylene]-2'-deoxyuridines: Conversion of (Z)-2'-[(Alkoxycarbonyl)methylene]-2'-Deoxyuridines into Their (E)-Isomers[1]"* J. Org. Chem., vol. 62, 1997, pp 11-17	

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TM	BA	HASSAN, *et al.*, *"Nucleosides and Nucleotides. 151. Conversion of (Z)-2"-(Cyanomethylene)-2'-Deoxyuridines into Their (E)-Isomers via Addition of Thiophenol to the Cyanomethylene Moiety Followed by Oxidative Syn-Elimination Reactions"* J. Org Chem., vol. 61, 1996, pp. 6261-6267	
TM	BB	HOSSAIN, *et al.*, *"Synthesis of 2'-and3"-Spiro-Isoxazolidine Derivatives of Thymidine &Their Conversions to 2',3'-Dideoxy-2',3'-Didehydro-3'-C-Substituted Nucleosides by Radical Promoted Fragmentation"* Tetrahedron, vol. 49, no. 44, 1993, pp. 10133-156	
TM	BC	MAHMOUDIAN, M. *et al.*, *"A Versatile Procedure for the Generation of Nucleoside 5'-Carboxylic Acids Using Nucleoside Oxidase"* Tetrahedron, vol. 54, no. 28, 9 July 1998	
TM	BD	VELAZQUEZ, *et al.*, *"Synthesis of [1-[3',5'-Bis-O-(tert-butyldimethylsilyl)-β-D-arabino- and β-Dribofuranosyl]cytosine]-2'-spiro-5"-(4"-amino-1",2"-oxathiole-2",2"-dioxide). Analogues of the Highly Specific Anti-HIV-1 Agent TSAO-T"* Tetrahedron, vol. 50, 1994, pp. 11013-22 °	

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TM	AA	3,798,209		Wilkowski, *et al.*	03-19-1974		
	AB	RE29,835		Witkowski *et al.*	11-14-1978		
	AC	4,522,811		Eppstein *et al.*	06-11-1985		
	AD	4,957,924		Beauchamp	09-18-1990		
	AE	5,149,794		Yatvin *et al.*	09-22-1992		
	AF	5,157,027		Biller *et al.*	10-20-1992		
	AG	5,194,654		Hostetler *et al.*	03-16-1993		
	AH	5,223,263		Hostetler *et al.*	06-29-1993		
	AI	5,256,641		Yatvin *et al.*	10-26-1993		
	AJ	5,411,947		Hostetler *et al.*	05-02-1995		
	AK	5,463,092		Hostetler *et al.*	10-31-1995		
	AL	5,543,389		Yatvin *et al.*	08-06-1996		
	AM	5,543,390		Yatvin *et al.*	08-06-1996		
	AN	5,543,391		Yatvin *et al.*	08-06-1996		
	AO	5,554,728		Basava *et al.*	09-10-1996		
TM	AP	6,312,662	B1	Erion *et al.*	11-06-2001		

FOREIGN PATENT DOCUMENTS

Examiner Initials *	Cite No. [1]	Foreign Patent Document Office [3]	Number	Kind Code [2] (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages/ Relevant Figures Appear	T[6]
TM	AQ	DE	3,512,781	A1	Soc. Nat. Elf Aquitaine	10-17-1985		
	AR	EP	0,180,276	B1	Stamicarbon B.V.	12-19-1988		
	AS	EP	0,350,287	B1	Chimerix	09-27-2000		
	AT	EP	0,650,371	B1	State of Oregon	11-15-2000		
	AU	WO	89/02733	A1	Regents of the Univ. of California	04-06-1989		
	AV	WO	90/00555	A1	Vical Inc.	01-25-1990		
TM	AW	WO	91/16920	A1	Vical Inc.	11-14-1991		

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	Complete if Known
Application Number	10/608,907
Filing Date	June 27, 2003
First Named Inventor	Sommadossi *et al.*
Group Art Unit	Unassigned
Examiner Name	Unassigned
Attorney Docket Number	06171.105034 IDX 1018

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TM	BA	WO	91/18914	A1	Vical Inc.	12-12-1991		
	BB	WO	91/19721	A1	Glazier	12-26-1991		
	BC	WO	93/00910	A1	Vical Inc.	01-21-1993		
	BD	WO	94/26273	A1	Hostetler	11-24-1994		
	BE	WO	96/15132	A1	Regents of the Univ. of California	05-23-1996		
	BF	WO	99/15194	A1	Schering Corporation	04-01-1999		
	BG	WO	99/43691	A1	Emory; U. Georgia Res. Found.	09-02-1999		
	BH	WO	99/45016	A2	Metabasis Therapeutics Inc.	09-10-1999		
	BI	WO	99/59621	A1	Schering Corporation	11-25-1999		
	BJ	WO	99/64016	A1	Hoffman-La Roche AG	12-16-1999		
	BK	WO	00/24355	A1	Smith & Nephew Kinetic	05-04-2000		
	BL	WO	00/37110	A2&3	Schering Corporation	06-29-2000		
	BM	WO	00/52015	A2&3	Metabasis Therapeutics	09-08-2000		
	BN	WO	01/18013	A1	Metabasis Therapeutics	03-15-2001		
	BO	WO	01/32153	A2	Biochem Pharma	10-05-2001		
	BP	WO	01/47935	A2&3	Metabasis Therapeutics	07-05-2001		
	BQ	WO	01/60315	A2	Biochem Pharma	08-23-2001		
	BR	WO	01/79246	A2&3	Pharmasset	10-25-2001		
	BS	WO	01/81359	A1	Schering Corporation	11-01-2000		
	BT	WO	01/90121	A2&3	Novirio (Idenix); Univ. ... Cagliari	11-29-2000		
	BU	WO	01/92282	A2&3	Novirio (Idenix); Univ. ... Cagliari	06-12-2001		
	BV	WO	01/96353	A2&3	Novirio Pharm. (Idenix); C.N.R.S.	21-20-2001		
	BW	WO	02/057287	A2&3	Merck; Isis Pharmaceuticals	07-25-2002		
	BX	WO	02/057425	A2	Merck; Isis Pharmaceuticals	07-25-2002		
	BY	WO	02/18404	A2&3	Hoffman-La Roche AG	03-07-2002		
	BZ	WO	02/32414	A2&3	Schering Corporation	04-25-2002		
	BAA	WO	02/32920	A2	Pharmasset	04-25-2002		
	BAB	WO	02/48165	A2&3	Pharmasset	06-20-2002		
TM	BAC	WO	03/024461	A1	Schering Corporation	03-27-2003		

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First Named Inventor	Sommadossi *et al.*
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TM	CA	WO	04/003138	A2	Merck & Co., Isis Pharmaceutical	01-08-2004		
TM	CB	WO	04/007512	A2	Merck & Co., Isis Pharmaceutical	01-22-2004		
TM	CC	WO	04/009020	A2	Merck & Co., Isis Pharmaceutical	01-29-2004		

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. [1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T [6]
TM	CD	BAGINSKI, S. G, *et al.*, "Mechanism of action of a pestivirus antiviral compound," *PNAS USA*, 97(14) : 7981-7986 (2000).	
	CE	BATTAGLIA, A.M. *et al.*, "Combination Therapy with Interferon and Ribavirin in the Treatment of Chronic Hepatitis C Infection", *Ann. Pharmacother*, *34*:487-494 (2000).	
	CF	BERENGUER, M. *et al.*, "Hepatitis C virus in the transplant setting", *Antivir. Ther.*, *3 (Suppl 3)*:125-136 (1998).	
	CG	BERMAN, E, *et al.*, "Synergistic cytotoxic effect of azidothymidine and recombinant interferon alpha on normal human bone marrow progenitor cells," *Blood*, 74(4):1281-1286 (1989)	
	CH	BHAT et al. (Oral Session V, Hepatitis C Virus, Flaviviridae, 2003 (Oral Session V, Hepatitis C Virus, Flaviviridae; 16th International Conference on Antiviral Research (April 27, 2003, Savannah, Ga.); p A75).	
	CI	BROWNE, M.J., *et al.*, "2',3'-didehydro-3'-deoxythymidine (d4T) in patients with AIDS or AIDS-Related Complex: A Phase I trial," *J. Infect. Dis.*, 167(1):21-29 (1993).	
	CJ	COLACINO, J. M., "Review article: Mechanisms for the anti-hepatitis B virus activity and mitochondrial toxicity of fialurdine (FIAU)," *Antiviral Res.*, 29(2-3): 125-39 (1996).	
	CK	CUI, L., *et al.*, "Cellular and molecular events leading to mitochondrial toxicity of 1-(2-deoxy-2-fluoro-1-β-D-arabinofuranosyl)-5-iodouracil in human liver cells," *J. Clin. Invest.*, 95:555-563 (1995).	
	CL	DAVIS, G.L., "Current therapy for chronic Hepatitis C," *Gastroenterology* 118:S104-S114 (2000).	
	CM	De FRANCESCO, R., *et al.*, "Approaching a new era for hepatitis C virus therapy: inhibitors of the NS3-4A serine protease and the NS5B RNA-dependent RNA polymerase," *Antiviral Research*, 58: 1-16 (2003).	
TM	CN	De LOMBAERT, S., *et al.*, "*N*-Phosphonomethyl dipeptides and their phosphonate prodrugs, a new generation of neutral endopeptidase (NEP, EC 3.4.24.11) inhibitors," *J. Med. Chem.*, 37:498-511 (1994).	

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Application Number	10/608,907
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Group Art Unit	Unassigned
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TM	DA	DORNSIFE, R.E., *et al*, "In vitro potency of inhibition by antiviral drugs of hematopoietic progenitor colony formation correlates with exposure at hemotoxic levels in Human Immunodeficiency Virus-positive humans," *Antimicrob. Agents Chemother.*, 40(2):514-519 (1996).	
	DB	DYMOCK, B.W., *et al.*, "Review: Novel approaches to the treatment of hepatitis C virus infection," *Antiviral Chemistry & Chemotherapy*, 11(2):79-95 (2000).	
	DC	ELDRUP et al. (Oral Session V, Hepatitis C Virus, Flaviviridae; 16th International Conference on Antiviral Research (April 27, 2003, Savannah, Ga.).	
	DD	FARKAS, J., *et al.*, "Nucleic acid components and their analogues. XCIV. Synthesis of 6-amino-9-(1-deoxy-β-D-psicofuranosyl)purine", *Collect. Czech. Chem. Commun.* 32:2663-2667 (1967).	
	DE	FARKAS, J., *et al.*, "Nucleic acid components and their analogues. LXXIX. Synthesis of methyl 1-deoxy-D-psicofuranosides substituted at $C_{(1)}$ with halo atoms or a mercapto group," *Collect. Czech. Chem. Commun.*, 31:1535-1543 (1996).	
	DF	FARQUHAR, D., *et al.*, "Synthesis and biological evaluation of neutral derivatives of 3-fluoro-2'-deoxyuridine 5'-phosphate," *J. Med. Chem.* 26: 1153 (1983);	
	DG	FARQUHAR, D., *et al.*, "Synthesis and biological evaluation of 9-[5'-(2-oxo-1,3,2-oxazaphosphorinan-2-yl)-β-D-arabinosyl]adenine and 9-[5'-(2-oxo-1,3,2-dioxazaphosphorinan-2-yl)-β-D-arabinosyl]adenine: Potential neutral precursors of 9-[β-D-arabinofuranosyl]adenine 5'-monophosphate," *J. Med. Chem.* 28:1358-1381 (1985).	
	DH	FERRARI R., *et al.*, "Characterization of soluble hepatitis C virus RNA-dependent RNA polymerase expressed in *Escherichia coli*," *Journal of Virology*, 73(2), 1649-1654 (1999).	
	DI	FISCHL, M.A., *et al.*, "Zalcitabine compared with zidovudine in patients with advanced HIV-1 infection who received previous zidovudine therapy," *Ann. Intern. Med.*, 18(10):762-769 (1993).	
	DJ	FREED, J.J., *et al.*, "Evidence for acyloxymethyl esters of pyrimidine 5'-deoxyribonucleotides as extracellular sources of ative 5'-deoxyribonucleotides in cultured cells," *Biochemical Pharmacology.* 38:3193-3198 (1989).	
	DK	GUNIC, E., *et al.*, "Synthesis and cytotoxicity of 4'-C-and 5'-C-substituted Toyocamycins," *Bioorg. Med. Chem.*, 9:163-170 (2001).	
	DL	HARRY-O'KURU, R.E. , J.M. Smith, and M.S. Wolfe, "A short, flexible route toward 2'-C-branched ribonucleosides", *J.Org. Chem.* 62, 1754-1759 (1997). (Scheme 11).	
TM	DM	HOSTETLER, K.Y., *et al.*, "Synthesis and antiretroviral activity of phospholipids analogs of azidothymidine and other antiviral nucleosides," *J. Biol. Chem.*, 265:6112-6117 (1990)	

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TM	EA	HOSTETLER, K.Y., *et al.*, "Greatly enhanced inhibition of Human Immunodeficiency Virus Type I replication in CEM and HT4-6C cells by 3'-deoxythymidine diphosphate dimyristoylglycerol, a lipid prodrug of 3'-deoxythymidine," *Antimicrob. Agents Chemother.*, 36:2025.2029 (**September 1992**).	
	EB	HUNSTON, R.N., *et al.*, "Synthesis and biological properties of some cyclic phosphotriesters drived from 2'-deoxy-5-fluorouridine," *J. Med. Chem.* 27:440-444 (**1984**).	
	EC	JONES, G. H.; Moffatt, J. G., *Methods in Carbohydrate Chemistry*; Whisler, R. L. and Moffatt, J. L. Eds; Academic Press: New York, **1972**; 315-322	
	ED	JONES, G. H., *et al.*, "4'-substituted nucleosides. 5. Hydroxymethylation of nucleoside 5'-aldehydes," *J. Org. Chem.*, 44:1309-1317 (**1979**).	
	EF	KHAMNEI, S., "Neighboring group catalysis in the design of nucleotide prodrugs," *J. Med. Chem.*, 39:4109-4115 (**1996**).	
	EG	KUCERA, L.S., *et al.*, "Novel membrane-interactive ether lipid analogs that inhibit infectious HIV-1 production and induce defective virus formation, " *AIDS Res. Hum. Retro Viruses*, 6:491-501 (**1990**).	
	EH	KURTZBERG J., *et al.*, "Differential toxicity of carbovir and AZT to human bone marrow hematopoietic progenitor cells in vitro," *Exp. Hematol.*, 18(10):1094-1096 (**1990**).	
	EI	LEONARD, N. J., *et al.*, "5-Amino-5-deoxyribose derivatives. Synthesis and use in the preparation of "reversed" nucleosides" *J. Heterocycl. Chem.*, 3:485-489 (**December 1966**).	
	EJ	LERZA, R, *et al.*, "In vitro synergistic inhibition of human bone marrow hemopoietic progenitor growth by a 3'-azido-3'-deoxy-thymidine, 2',3'-dideoxycytidine combination," *Exp. Hematol.*, 25(3):252-255 (**1997**).	
	EK	LEWIS W, *et al.*, "Zidovudine induces molecular, biochemical, and ultrastructural changes in rat skeletal muscle mitochondria," *J. Clin. Invest.*, 89(4):1354-1360 (**1992**).	
	EL	LEWIS, L. D., *et al.*, "Ultrastructural changes associated with reduced mitochondrial DNA and impaired mitochondrial function in the presence of 2'3'-dideoxycytidine," *Antimicrob. Agents Chemother.*, 36(9):2061-2065 (**1992**).	
	EM	LEWIS, W., *et al.*, "Fialuridine an dits metabolites inhibit DNA polymerase γ at sites of ultiple adjacent analog incorporation, decrease mtDNA abundance, and cause mitochondrial structural defects in cultured hepatoblasts, " *Proceedings of the National Academy of Sciences, USA*, 93(8): 3592-7 (**1996**).	
↓	EN	LOHMANN V., *et al.*, "Biochemical and kinetic analyses of NS5B RNA-dependent RNA polymerase of the Hepatitis C virus, " *Virology*, 249, 108-118 (**1998**).	
TM	EO	LUH, T.-Y., *et al.*, "A convenient method for the selective esterification of amino-alcohols," *Synthetic Communications*, 8(5):327-333 (**1978**).	

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TM	FA	McCORMICK, J., *et al.*, "Structure and total synthesis of HF-7, a neuroactive glyconucleoside disulfate from he funnel-web spide *Hololena curta*," J. *Am. Chem. Soc.*, 121(24), 5661-5664 (1999).	
	FB	MCKENZIE, R., *et al.*, "Hepatic failure and lactic acidosis due to fialuridine (FIAU), an investigational nucleoside analogue for chronic hepatitis B", *N. Engl. J. Med.*, 333(17):1099-1105 (1995).	
	FC	MEDINA, D. J., *et al.*, "Comparison of mitochondrial morphology, mitochondrial DNA content, and cell viability in cultured cells treated with three anti-Human Immunodeficiency Virus dideoxynucleosides," *Antimicrob. Agents Chemother.*, 38(8):1824-8 (1994).	
	FD	MEIER, C., *et* al., "Cyclic saligenyl phosphotriesters of 2',3'-dideoxy-2',3'-didehydrothymidine (d4T) – A new pro-nucleic approach." *Bioorganic & Med. Chem. Letters* 7(2):99-104 (1997).	
	FE	MEYER, R.B., Jr., *et al.*, "2'-*O*-Acyl-6-thioinosine cyclic 3',5'-phosphates as prodrugs of thioinosinic acid," *J. Med. Chem.* 22: 811-815 (1979).	
	FF	NEIDLEIN, R., *et al.*, "Mild preparationof 1-benzyuloxyiminoalkylphosphonic dichlorides: Application to the synthesis of cyclic phosphonic diesters and cyclic monoester amides," *Heterocycles* 35:1185-1203 (1993).	
	FG	NUTT, R.F., *et al.*, "Branched-chain sugar nucleosides. III. 3'-C-methyladenine", *J.Org. Chem.*, 33:1789-1795 (1968).	
	FH	OLSEN, et al. (Oral Session V, Hepatitis C Virus, Flaviviridae; 16th International Conference on Antiviral Research (April 27, 2003, Savannah, Ga.) p A76).	
	FI	PAN-ZHOU, X-R, *et al.*, "Differential effects of antiretroviral nucleoside analogs on mitochondrial function in HepG2 cells," *Antimicrob. Agents Chemother.* 44:496-503 (2000).	
	FJ	PIANTADOSI, C., *et al.*, "Synthesis and evaluation of novel ether lipid nucleoside conjugates for anti-HIV-1 activity, " *J. Med. Chem.* 34:1408-1414 (1991).	
	FK	RICHMAN, D.D., *et al.*, "The toxicity of azidothymidine (AZT) in the treatment of patients with AIDS and AIDS-Related Complex," *N. Engl. J. Med.*, 317(4):192-197 (1987).	
	FL	SOMMADOSSI J-P, *et al.*, "Comparison of cytotoxicity of the (-)- and (+)- enantiomer of 2',3'-dideoxy-3'-thiacytidine in normal human bone marrow progenitor cells," *Biochemical Pharmacology* 44(10):1921-1925 (1992).	
	FM	SOMMADOSSI J.-P., *et al.*, "Toxicity of 3'-azido-3'-deoxythymidine and 9-(1,3-dihydroxy-2-propoxymethyl)guanine for normal human hematopoietic progenitor cells in vitro," *Antimicrobial Agents and Chemotherapy*, 31:452-454 (1987).	
TM	FN	STARRETT, J.E.Jr., *et al.*, "Synthesis, oral bioavailability determination, and *in vitro* evaluation of prodrugs of the antiviral agents 9-(2-(phosphonomethoxy)ethyl]adenine (PMEA)," *J. Med. Chem.* 37: 1857-1864 (1994).	

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Complete if Known	
Application Number	10/608,907
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First Named Inventor	Sommadossi *et al.*
Group Art Unit	Unassigned
Examiner Name	Unassigned
Attorney Docket Number	06171.105034 IDX 1018

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OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. [1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T[6]
TM	GA	WEINBERG, R.S., *et al.*, "Effect of antiviral drugs and hematopoietic growth factors on *in vitro* erythropoiesis," *Mt. Sinai J. Med.* 1998;65(1):5-13.	
TM	GB	YARCHOAN, R., *et al.* "Long-term toxicity / activity profile of 2',3'-dideoxyinosine in AIDS or AIDS-related complex," *The Lancet*, 336(8714):526-529 (1990).	
TM	GC	YOSHIDA Y, *et al.*, "Reversal of azidothymidine-induced bone marrow suppression by 2',3'-dideoxythymidine as studied by hemopoietic clonal culture," *AIDS Res. Hum. Retroviruses*, 6(7):929-932 (1990).	
TM	GD	ZON, G., "Cyclophosphamide Analogues," Chapter 4 in Progress in Medicinal Chemistry, Vol. 19, G.P. Ellis and G.B. West, Eds., pp. 205-246 (1982).	

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